

# UNITED STATES PATENT AND TRADEMARK OFFICE

## CERTIFICATE OF CORRECTION

**PATENT NO.** : 6,940,916  
**APPLICATION NO.** : 09/771,144  
**ISSUE DATE** : September 6, 2005  
**INVENTOR(S)** : Warner et al.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 2, line 8, please delete "J Roome," and insert - J. Roome, - -, therefor.

At column 2, line 13, please delete "48," and insert - 46, - -, therefor.

At column 5, line 32, please delete "x(t)y(t):" and insert -  $x(t) \otimes y(t)$  : - -, therefor.

At column 5, line 32, please delete "ω" and insert - "⊗" - -, therefor.

At column 15, line 5-11, please delete

"z(t)=x(t)[ham(t)hcm(t)+hbm(t)+x\*(t)[ham(t)hdm(t)+hbm(t)hcm\*(t)]" and insert  
 - - z(t)=x(t) [ham(t) hcm(t)+hbm(t) hdm\*(t)]+x\*(t) [ham(t) hdm(t)+hbm(t) hcm\*(t)] - -,  
 therefor.

At column 15, line 20, please delete "ham(t)hdm(t)+hbm(t)hcm\*(t)=0" and insert

- - ham(t) hdm(t)+hbm(t) hcm\*(t)=0 - -, therefor.

At column 15, line 34, please delete "ham(t)hcm(t)+hbm(t)hdm\*(t)=δ(t)" and insert

- - ham(t) hcm(t)+hbm(t) hdm\*(t)=δ(t) - -, therefor.

At column 15, line 55-64, please delete

$H_{cm}(\omega)+H_{bm}(\omega)\cdot H_{dm}^*$   
 $(-\omega)+X^*(-\omega)\cdot [H_{am}$   
 $(\omega)\cdot H_{dm}(\omega)+H_{bm}(\omega)\cdot$   
 $" H_{cm}^*(-\omega)]$  and insert - -  
 $Z(\omega)=X(\omega)\cdot [H_{am}(\omega)\cdot H_{dm}(\omega)+H_{bm}(\omega)\cdot H_{dm}^*(-\omega)]$   
 $+Y^*(-\omega)\cdot [H_{am}(\omega)\cdot H_{dm}(\omega)+H_{bm}(\omega)\cdot H_{dm}^*(-\omega)]$  - -, therefor.

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At column 19, line 22-32, please delete

$$z(t) = x(t) [h_{ad}(t)h_{cd}(t) + h_{bd}^*(t) + x^*(t)[h_{ad}^*(t)h_{dd}(t) + h_{bd}(t)h_{cd}(t)]]$$

and insert - -

$$z(t) = x(t) \otimes [h_{ad}(t) \otimes h_{cd}(t) + h_{bd}^*(t) \otimes h_{dd}(t)] + x^*(t)[h_{ad}^*(t) \otimes h_{dd}(t) + h_{bd}(t) \otimes h_{cd}(t)]$$

- -, therefore.

At column 19, line 40, please delete

$$h_{ad}^*(t)h_{dd}(t) + h_{bd}(t)h_{cd}(t) = 0$$

and insert

$$h_{ad}^*(t) \otimes h_{dd}(t) + h_{bd}(t) \otimes h_{cd}(t) = 0$$

- -, therefore.

At column 19, line 55-56, please delete

$$h_{ad}(t)h_{cd}(t) + h_{bd}^*(t)h_{dd}(t) = \delta(t) \text{ Eq. 10}$$

and insert

$$h_{ad}(t) \otimes h_{cd}(t) + h_{bd}^*(t) \otimes h_{dd}(t) = \delta(t) \text{ Eq. 10}$$

- -, therefore.

At column 22, line 38, please delete "1114." and insert - - 114. - -, therefore.

At column 23, line 14, please delete "116" and insert - - 116, - -, therefore.

At column 27, line 63, please delete "1910" and insert - - 1910, - -, therefore.

At column 28, line 62-63, please delete  $h_{iqd}(t) = \text{Im}[h_{cd}(t) + h_{dd}(t)]$  and insert

$$h_{iqd}(t) = \text{Im}[h_{cd}(t) + h_{dd}(t)] = 0$$

- -, therefore.

At column 30, line 40, in Claim 2, please delete "sunning" and insert - - summing - -, therefore

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At column 30, line 66, in Claim 3, please delete "quadrature phase" and insert - - quadrature-phase - -,  
therefor.

At column 32, line 17, in Claim 8, please delete "sunning" and insert - - summing - -, therefor.

At column 33, line 42, in Claim 16, please delete "signal" and insert - - signal, - -, therefor.

At column 34, line 2, in Claim 23, please delete "filter" and insert - - further - -, therefor.

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